



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

COMPLIANCE MANAGEMENT GROUP (CMG) ¹
257 Simarano Drive, Suite 4
Marlborough, MA 01752
Authorized Representative: Mike Morrow Phone: 508 460 1400 ext. 222
Email: mmorrow@cmgcorp.net

ELECTRICAL (EMC)

Valid to: May 31, 2025

Certificate Number: 2316.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory at the location listed above, *as well as the satellite laboratory location listed below*, to perform the following electromagnetic compatibility and product safety tests:

<u>Test Technology:</u>	<u>Test Method(s) ^{2,3}:</u>
<i>Automotive EMC</i>	
Electrostatic Discharge (ESD)	ISO 10605
Bulk Current Injection (BCI) <i>(Closed Loop & Substitution Methods)</i>	ISO 11452-4
Conducted Transient Disturbances, Power Lines	ISO 7637-2
Conducted Transient Disturbances, Other than Supply Lines	ISO 7637-3
Electrical Loads	ISO 16750-2
Emissions	
Harmonics and Flicker	EN 61000-3-2; IEC 61000-3-2; AS/NZS 61000.3.2; EN 61000-3-3; IEC 61000-3-3; AS/NZS 61000.3.3
Conducted <i>(Excluding Equipment that Fall Within the Scope of CISPR 13)</i>	47 CFR, FCC Part 15 B (using ANSI C63.4:2014); CISPR 22; EN 55022; AS/NZS CISPR 22; CISPR 32; EN 55032; AS/NZS CISPR 32; SANS 2332; CISPR 11; EN 55011; AS CISPR 11; KS C 9811; CNS 13803; EN 55014-1 <i>(excluding Measurements of Clicks)</i> ; ICES-001; ICES-003; IEC 61800-3; KS C 9800-3; EN 61000-6-3; KS C 9610-6-3; EN 61000-6-4; KS C 9610-6-4;

Test Technology:

Conducted
(Continued)

Immunity

Electrostatic Discharge (ESD)

Radiated Immunity
(80 MHz – 6 GHz, 10 V/m)

Electrical Fast Transient (EFT)

Surge Immunity

Conducted Immunity

Magnetic Field Immunity

Voltage Dips & Interrupts

Generic/Specific

Test Method(s) ^{2,3}:

EN 62040-2; KS C 9040-2; KS C 9832;
FM 1321/1323 (Section 5.18 + Appendix D);
RRA Public Notification 2015-9 (Apr 24, 2015);
RRA Announce 2014-91 (Dec 29, 2014);
CNS 13438; CNS 15936 (2016); VCCI V-2, V-3, V-4;
VCCI 32-1;
VCCI-CISPR 32 (2016);
TCVN 7189; QCVN 118:2018/BTTTT;
EN 60947-5-2 (Section 7.2.6.3); EN 61326-3-1

IEC 61000-4-2; EN 61000-4-2;
AS/NZS 61000.4.2; KS C 9610-4-2

IEC 61000-4-3; EN 61000-4-3;
AS/NZS 61000.4.3; KS C 9610-4-3

IEC 61000-4-4; EN 61000-4-4;
AS/NZS 61000.4.4; KS C 9610-4-4

IEC 61000-4-5; EN 61000-4-5;
AS/NZS 61000.4.5; KS C 9610-4-5

IEC 61000-4-6; EN 61000-4-6;
AS/NZS 61000.4.6; KS C 9610-4-6

IEC 61000-4-8; EN 61000-4-8;
AS/NZS 61000.4.8; KS C 9610-4-8

IEC 61000-4-11; EN 61000-4-11;
KS C 9610-4-11; AS/NZS 61000.4.11;
EN 300 132-2; IEC 61000-4-29; EN 61000-4-29

EN 50091-2; EN 55103-2; EN 61547;
EN 61000-6-1; IEC 61000-6-1; KS C 9610-6-1;
EN 61000-6-2; IEC 61000-6-2; EN 55024; CISPR 24;
KS C 9610-6-2; AS/NZS CISPR 24; IEC 61800-3;
KS C 9800-3; IEC 61800-5-2; EN 62040-2;
KS C 9040-2; AS/NZS 61000.6.1; AS/NZS 61000.6.2;
ETSI EN 300 386 V1.3.3; EN 55014-2; CISPR 14-2;
EN 61326-1; EN 61326-2-6; KN 24;
IEC 61326-1; IEC 61326-2-6; EN 60601-1-2;
IEC 60601-1-2; KS C IEC 60601-1-2 (Annex 2-2);
EN 60947-5-2 (Section 7.2.6.2); EN 60947-5-3 (Table 1);
EN 61326-3-1; EN 50130-4; EN 50270;
EN 55035; CISPR 35; SANS 2335; KS C 9835;
RRA Public Notification 2015-8 (April 24, 2015);
RRA Announce 2014-92 (Dec 29, 2014);
FM 1321/1323 (Section 5.18 + Appendix D);
FM 5970 Section 421 to 426; IEC 61496-1



¹ This accreditation covers testing performed at the main laboratory listed above, and at the satellite laboratory listed below:

COMPLIANCE MANAGEMENT GROUP (CMG)
37-1 Ayer Road
Littleton, MA 01460

Test Technology:

Test Method(s) ³:

Emissions

Radiated and Conducted
(up to 18 GHz)
(Excluding Equipment that Falls
Within the Scope of CISPR 13)

47 CFR, FCC Part 15 B (using ANSI C63.4: 2014);
CISPR 22; EN 55022; AS/NZS CISPR 22;
CISPR 32; EN 55032; AS/NZS CISPR 32;
SANS 2332 (all up to 6 GHz);
CISPR 11; EN 55011; AS CISPR 11; KS C 9811;
CNS 13803;
EN 55014-1 (excluding Measurements of Clicks);
ICES-001; ICES-003;
IEC 61800-3; KS C 9800-3;
EN 61000-6-3; KS C 9610-6-3;
EN 61000-6-4; KS C 9610-6-4; KS C 9040-2;
KN 22; KS C 9832 (up to 6 GHz);
CNS 13438 (up to 6 GHz); CNS 15936 (2016)
VCCI V-2, V-3, V-4 (up to 6 GHz); VCCI 32-1;
VCCI-CISPR 32 (2016);
TCVN 7189:2009 (up to 6 GHz);
QCVN 118:2018/BTTTT;
EN 60947-5-2 (Section 7.2.6.3); EN 61326-3-1;
FM 1321/1323 (Section 5.18 + Appendix D)

On the following products or types of products:

Light Industrial, Commercial, Residential, Heavy Industrial, Scientific, Medical, Portable Test and Measurement Equipment, Information Technology Equipment, Telecom and other Electrical and Electronic Equipment

² When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements-Accreditation of ISO-IEC 17025 Laboratories*.

³ The laboratory is only accredited for testing activities outlined within the test methods listed above. Reference to any other activity within these standards, such as risk management or risk assessment, does not fall within the laboratory's accredited capabilities.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1 ⁴:

Rule Subpart/Technology	Test Method	Maximum Frequency
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	18000 MHz

⁴ Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.



Accredited Laboratory

A2LA has accredited

COMPLIANCE MANAGEMENT GROUP (CMG)

Marlborough, MA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 22nd day of May 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2316.01
Valid to May 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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Email: mmorrow@cmgcorp.net

MECHANICAL

Valid to: May 31, 2025

Certificate Number: 2316.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the satellite laboratory location listed below*, to perform the following environmental simulation and acoustics tests:

<u>Test Technology:</u>	<u>Test Method(s):</u>
Use of Impact Resistant Lenses in Eyeglasses and Sunglasses - FDA Lens Impact test	21 CFR 801.410
Salt Fog	ASTM B117-19

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COMPLIANCE MANAGEMENT GROUP (CMG)
37-1 Ayer Road
Littleton, MA 01460

<u>Test Technology:</u>	<u>Test Method(s):</u>
<i>Environmental Simulation Tests</i>	
Altitude	IEC 60068-2-13
Change of Temperature / Cold / Dry Heat / Damp Heat-Cyclic / Damp Heat-Steady State	IEC 60068-2-14; IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-30; IEC 60068-2-78; FM1635 Sections 4.6, 4.7, 4.8; FM3010 Section 4.12; FM3210 Sections 4.1, 4.2, 4.3, 4.4; FM3260 Sections 4.6, 4.8
Mechanical Shock	IEC 60068-2-27

Test Technology:

Vibration, Sinusoidal / Random

Packaging Tests

Degrees of Protection Provided by Enclosures
(IP Code)

Test Method(s):

IEC 60068-2-6; IEC 60068-2-64;
FM1635 Section 4.9;
FM3010 Section 4.15;
FM3260 Section 4.9

ISTA Procedures 1A, 1B, 1C, 1D, 1E, 1G, 2A,
2B, 2C, 2D, 2E, 3A, 3C, 3D, 3E, 3F;
6-FEDEX-A; 6-FEDEX-B;
ASTM D4169-16; ASTM D4169-22

IEC 60529; EN 60529; AS/NZS 60529

On the following products or types of products:

Light Industrial, Commercial, Residential, Heavy Industrial, Scientific, Medical, Portable Test and Measurement Equipment, Information Technology Equipment, Telecom and other Electrical and Electronic Equipment



Accredited Laboratory

A2LA has accredited

COMPLIANCE MANAGEMENT GROUP (CMG)

Marlborough, MA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



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Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2316.03
Valid to May 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.